Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: Palustrine Emergent Wetland (PEM)

Description: View of Wetland C4-62.

C 9-29-04

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: C4-62-1-4/3
Beg. Sta:_____ End Sta:_____ MP_____ to_____ Observers: R. JORDAN, S. LACEY
Date: 9-29-04 USGS Quad:_____ Observers: L. LECLERC
Crossing Type(s): X Stream X Wetland ___ Waterbody Crossing Name(s): Titcomb Brook
Town/County:_____ Parallel Existing ROW: ___ Yes X No ROW Type:_____

Dominant NWI Class %: PFO 100% Other NWI Classes %:

Representative Wetland Vegetation:		
PFO: ABI BAL, ACE RUB	PSS: ABI BAL, ACE RUB	PEM: ABI BAL, ONO SEN

Representative Wetland Hydrology:
Non-tidal:
___ PF ___ IE ___ SPF ___ SF
75% S ___ TF ___ IF 25% AF (Beaver)
Hydrologic Indicators: ___ Silt Deposition X Water-Stained Leaves X Water Marks ___ Drift Lines
___ Surface Scouring ___ Drainage Patterns X Buttressed Trees
Other Observations:

Representative Wetland Soils:
X Mineral
___ Organic
Other Observations: SPHAGNUM BED

Depth	Horizon	Color	Redox Features	Texture
4-0	O	10YR 2/1		DECAYED SPHAGNUM
0-12+	B	5Y 5/2	20% 7.5YR 5/6, 5% 2.5Y 5/6	SILT LOAM

Stream #1 Data:
Channel Width: ~~2'~~ Average Depth: 8" X Peren. ___ Intermittent
Water Quality Class:_____ Bank Configuration:_____ Undercut X Vertical ___ Gradual
Channel Substrate: ___ Peat-Muck X Silt-Muck ___ Sand ___ Gravel/Cobble ___ Boulder ___ Bedrock
Stream #2 Data: 100%
Channel Width:_____ Average Depth:_____ ___ Peren. ___ Intermittent
Water Quality Class:_____ Bank Configuration:_____ Undercut ___ Vertical ___ Gradual
Channel Substrate: ___ Peat-Muck ___ Silt-Muck ___ Sand ___ Gravel/Cobble ___ Boulder ___ Bedrock

Dominant Wetland Functions:
X GWD ___ FFA X FSH ___ ST/R ___ N/R/T X PE ___ SSS X WH
___ REC ___ ESV U/H ___ VQ/A ___ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):

Photo #:_____ Roll #:_____ SKETCH ON BACK
008 FACING N FROM ℄
009 EOF CL51 FACING N

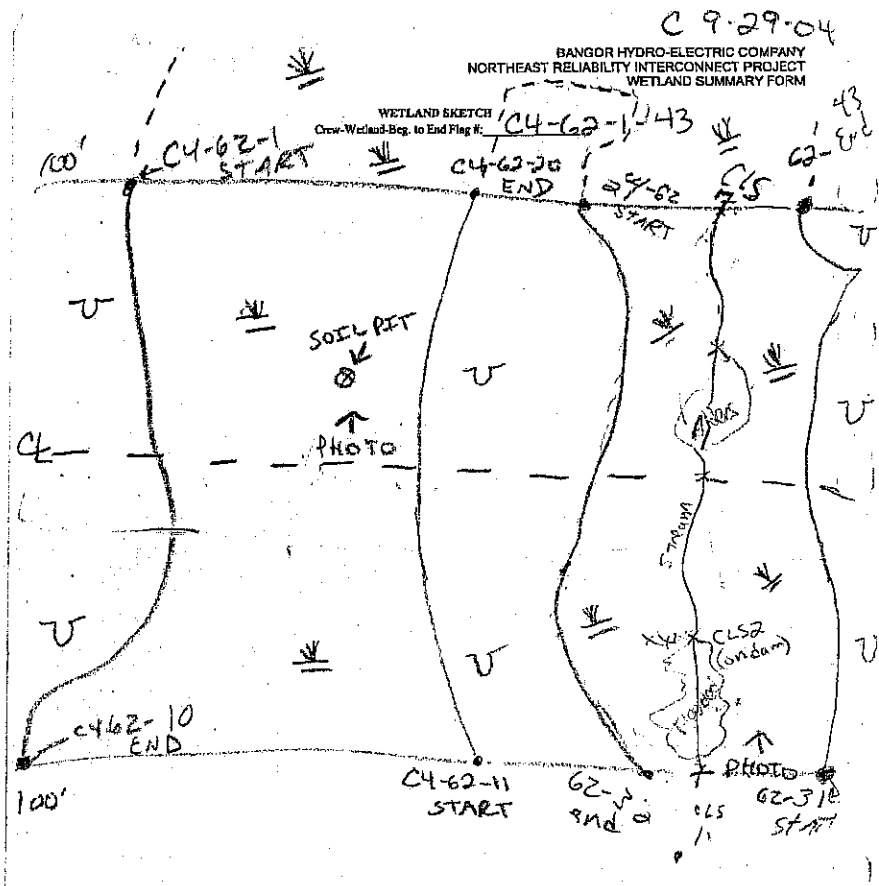
Sketch Checklist:
___ North arrow.
___ Detailed sketch of wetland boundary and flagging sequence.
___ Natural and man-made features.
___ Photo locations.

- Active beaver use (trails, gnawings, dams)
- observed small fish in stream

C 9-29-04

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: C4-62-1 / 43



Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

N

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: PEM

Description: View of Wetland A4-6, encompassing Allen Brook.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: AA-6-1-44 Observers: BOOMER / GERRY
Beg. Sta:_____ End Sta:_____ MP_____ to_____
Date: 9/9/04 USGS Quad:_____ Observers:_____
Crossing Type(s): X Stream X Wetland ___ Waterbody Crossing Name(s): ALDER BROOK
Town/County:_____ Parallel Existing ROW: X Yes ___ No ROW Type: LCRIP

Dominant NWI Class %: PEM 90 Other NWI Classes %: PFO 10

Representative Wetland Vegetation:

PFO	PSS	PEM
AME ISA BET POP ACE RUB	ACE RUB ALN INC LED GRO	SALIX SP SPITOM ONO SEN SPI LAT SCI CYP SPHG

NUMEROUS CAR SPP

Representative Wetland Hydrology:

Non-tidal:
___ PF ___ IE ___ SPF ✓ SF
✓ S ___ TF ___ IF ___ AF

Hydrologic Indicators: ___ Silt Deposition ✓ Water-Stained Leaves ___ Water Marks ___ Drift Lines
___ Surface Scouring ✓ Drainage Patterns ___ Buttressed Trees

Other Observations:

Representative Wetland Soils:

___ Mineral
X Organic

Depth	Horizon	Color	Redox Features	Texture
0-24	Oa	10YR 2/1		FIBRIC
24-28	Bg	5Y 4/2	5Y 6/1	SIL

Other Observations:

WETLAND IS 90% ORGANIC SOIL

Stream # 1 Data:
Channel Width: 10-15 Average Depth: 1' ✓ Peren. ___ Intermittent
Water Quality Class:_____ Bank Configuration:_____ Undercut ___ Vertical ✓ Gradual
Channel Substrate: ___ Peat-Muck ___ Silt-Muck X Sand X Gravel/Cobble ___ Boulder ___ Bedrock

Stream # 2 Data:
Channel Width:_____ Average Depth:_____ ___ Peren. ___ Intermittent
Water Quality Class:_____ Bank Configuration:_____ Undercut ___ Vertical ___ Gradual
Channel Substrate: ___ Peat-Muck ___ Silt-Muck ___ Sand ___ Gravel/Cobble ___ Boulder ___ Bedrock

Dominant Wetland Functions:
✓ GWD ___ FFA ✓ FSH ___ ST/R ___ N/R/T ___ PE ___ SSS ✓ WH
✓ REC ___ ESV ___ U/N ✓ VQ/A ___ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):

Photo #: 7 Roll #:_____
STREAM & WTLD

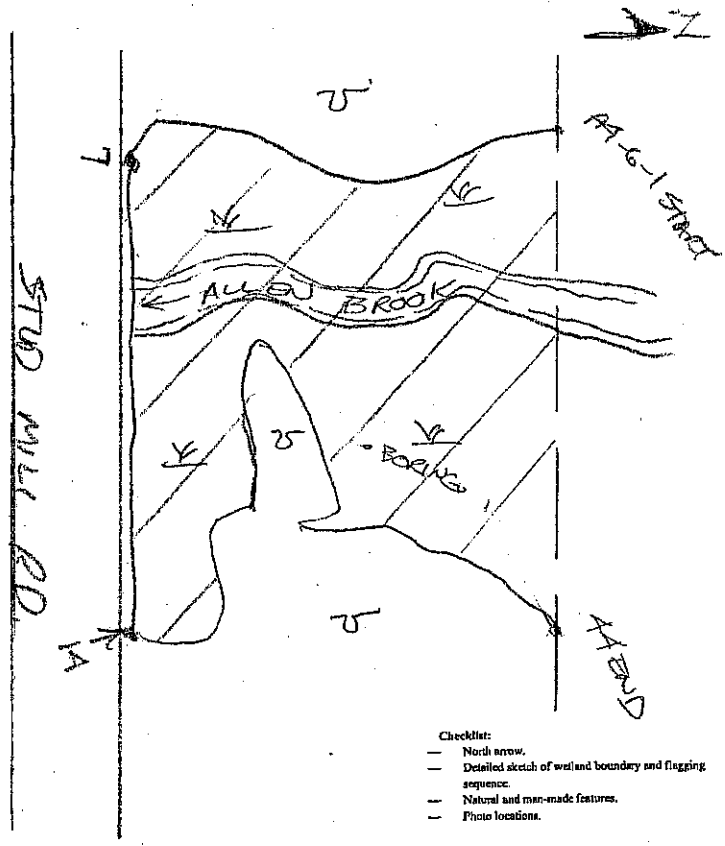
SKETCH ON BACK

Sketch Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

UNABLE TO FLAG TOP OF BANK DUE TO INUNDATION OF FLOOD PLAIN ALONG RIVER

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: A4-6 (1-44)



Checklist:
- — North arrow.
- — Detailed sketch of wetland boundary and flagging sequence.
- — Natural and man-made features.
- — Photo locations.

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: Palustrine Deciduous Scrub-Shrub Wetland (PSS1)

Description: View of Wetland B4-42.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: BH-42-1 to 31 SJ | SS
Beg. Stat: _____ End Stat: _____ MP _____ to _____ Observers: _____
Date: 9-20-04 USGS Quad: Alligator Lake Observers: _____
Crossing Type(s): ___ Stream ✓ Wetland ___ Waterbody Crossing Name(s): _____
Town/County: _____ Parallel Existing ROW: ✓ Yes ___ No ROW Type: Shrubland

Dominant NWI Class %: 70 PSS1 Other NWI Classes %: 30 PEM

Representative Wetland Vegetation:

PEO	PSS	PEM
	Sal beb Sal nig Spitom Larlar Vac ang	Sphag Sci cyp Eri vir Vac mag (cranberry)

Representative Wetland Hydrology:
Non-tidal:
___ PF ___ IE ___ SPF ✓ SF
___ S ___ TF ___ IF ___ AF

Hydrologic Indicators: ___ Silt Deposition ✓ Water-Stained Leaves ___ Water Marks ___ Drift Lines
___ Surface Scouring ✓ Drainage Patterns ___ Buttressed Trees

Other Observations: Bog

Representative Wetland Soils:

Depth	Horizon	Color	Redox Features	Texture
0-14	Oa	10YR 2/1	___	Mucky Peat

✓ Mineral
___ Organic

Other Observations: Shallow to bedrock

Stream # 1 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: _____ Peat-Muck _____ Silt-Muck _____ Sand _____ Gravel/Cobble _____ Boulder _____ Bedrock

Stream # 2 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: _____ Peat-Muck _____ Silt-Muck _____ Sand _____ Gravel/Cobble _____ Boulder _____ Bedrock

Dominant Wetland Functions:
✓ GWD ___ FFA ___ FSH ___ ST/R ___ N/R/T ___ PE ___ SSS ✓ WH
___ REC ___ ESV ___ U/H ___ VQ/A ___ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):

Photo #: _____ Roll #: _____ SKETCH ON BACK

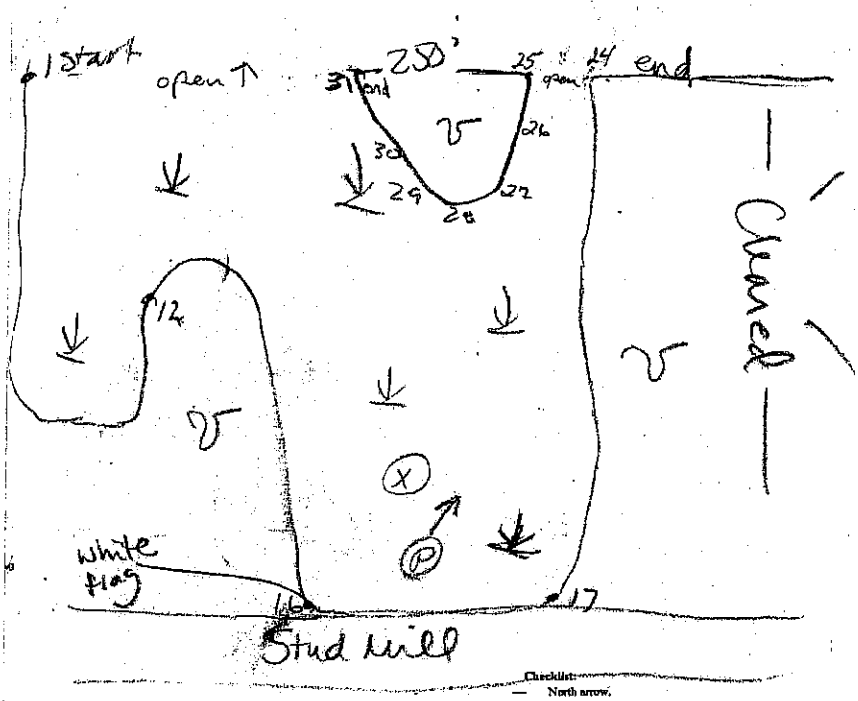
13 Facing NE

Sketch Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: BY-W2-1 to 31

N
4



Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: PSS1

Description: View of Wetland P3-045.

MITC 345 kV Project
WETLAND SUMMARY FORM

Wetland #-Flag#'s P3-045 1-11
Town: TP 27 ED
Field Locator:
Delineator: DWP
Date: 10-6-03
Dominant NWI Class PSS1 Other NWI Class PFO

Representative Wetland Vegetation (by NWI Class)

Onoclea sensibilis
Solidago rugosa
Rubus hispidus
Lycopus uniflora
Betula alleghaniensis
Thuja occidentalis
Fraxinus nigra
Abies balsamea
Acer rubrum

Representative Wetland Hydrology

__ Silt deposition
__ Surface scouring
X Water stained leaves
X Drainage patterns
__ Other:

Representative soils

X Mineral
__ Organic

Depth	Horizon	Color	Redox	Texture
0-8	Oa			
8-14	Ag	2.5Y4/2	rd	sandy silt
14	Dense			

NEI WPCC Soils criterion: III B

Other observations:

Stream present? N Name —

Width — Depth —

Substrate —

Remarks:

FUNCTIONS AND VALUES

___1. GW Recharge/discharge
___2. Floodflow alteration
___3. Fish/mussels
___4. Sed/tox/path retention
___5. Nutrient removal/retention
___6. Production export
___7. Sediment/shoreline stab.
___8. Wildlife habitat
___9. Recreation
___10. Education
___11. Heritage
___12. Visual
___13. RTE

Notes: Wildlife, RTE, communities:

Topography and Sketch:

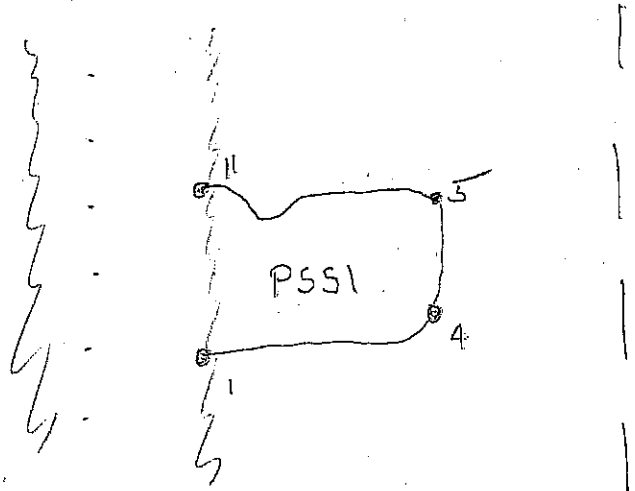


Photo ID: P3-045

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: Palustrine Deciduous Forested Wetland (PFO1)

Description: View of Wetland D4-60.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: D4-60 1→23
Beg. Stat: _____ End Stat: _____ MP _____ to _____ Observers: _____
Date: 9.28.04 USGS Quad: _____ Observers: DP, JR
Crossing Type(s): ___ Stream ✓ Wetland ___ Waterbody Crossing Name(s): _____
Town/County: PLT 21 Parallel Existing ROW: ✓ Yes ___ No ROW Type: STUD MILL RD PIPELINE

Dominant NWI Class %: PFO1 Other NWI Classes %:

Representative Wetland Vegetation:

PEO	PSS	PEM
BET ALL ABE PEN FRA PEN ACE RUB	TSU CAN ACE PEN ACE SPI	THA PUB DRY SPI GYM DRY TOX VIB OSM CIN

Representative Wetland Hydrology:
Non-tidal:
___ PF ___ 1E ___ SPF ___ SF
___ S ✓ TF ___ IF ___ AF

Hydrologic Indicators: ✓ Silt Deposition ✓ Water-Stained Leaves ___ Water Marks ___ Drift Lines
✓ Surface Scouring ✓ Drainage Patterns ___ Buttressed Trees

Other Observations:

Representative Wetland Soils:
✓ Mineral
___ Organic

Depth	Horizon	Color	Redox Features	Texture
0-4"	A	10YR3/3	NONE OBS	vfsl
4-13"	B	10YR4/2	COM,MED	vfsl
13-18"+	Bg		COM,MED	grfsl

Redox Color 10YR2/2

Other Observations:
VI

Stream #1 Data:
Channel Width: _____ Average Depth: _____ ___ Peren. ___ Intermittent
Water Quality Class: _____ Bank Configuration: ___ Undercut ___ Vertical ___ Gradual
Channel Substrate: ___ Peat-Muck ___ Silt-Muck ___ Sand ___ Gravel/Cobble ___ Boulder ___ Bedrock
Stream #2 Data:
Channel Width: _____ Average Depth: _____ ___ Peren. ___ Intermittent
Water Quality Class: _____ Bank Configuration: ___ Undercut ___ Vertical ___ Gradual
Channel Substrate: ___ Peat-Muck ___ Silt-Muck ___ Sand ___ Gravel/Cobble ___ Boulder ___ Bedrock

Dominant Wetland Functions:
___ GWD ___ FFA ___ FSH ✓ ST/R ___ N/R/T ___ PE ___ SSS ✓ WH
___ REC ___ ESV ___ U/H ___ VQ/A ___ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):
red Squirrel

Photo #: _____ Roll #: _____

D4-60

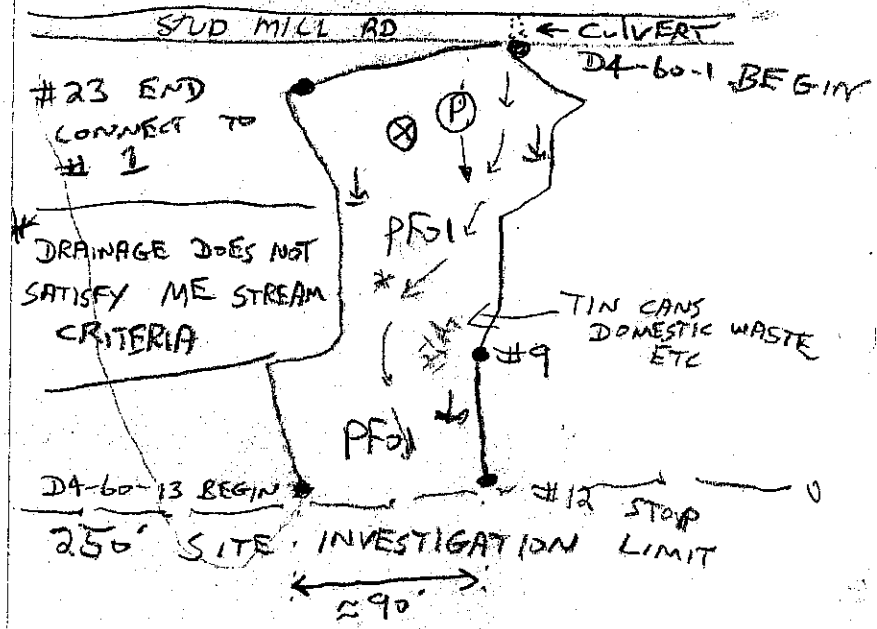
SKETCH ON BACK

Sketch Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

D4-60 1→23

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: _____



250' SITE INVESTIGATION LIMIT 2004

Checklist:
- — North arrow.
- — Detailed sketch of wetland boundary and flagging sequence.
- — Natural and man-made features.
- — Photo locations.

N (magnetic)

⊗ = N test pit location

Ⓟ = Photo location # direction

* ON STATE OF MAINE LAND

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: PFO1

Description: View of Wetland D3-011.

MITC 345 kV Project
WETLAND SUMMARY FORM

Wetland #-Flag#'s D3-011 · 1b
Town: ~~Brookfield~~ Holden
Field Locator: RDK
Delineator: CCD
Date: 8-20-03
Dominant NWI Class PF01 Other NWI Class PSS1
strip cut Understory

Representative Wetland Vegetation (by NWI Class)

Herb	SS	Tree
Carex trisperma	Ilex verticillata	Acer rubrum
Rubus hispida	Alnus balsamea	Alnus balsamea
Calamagrostis canadensis		

+ Sphagnum Moss

Representative Wetland Hydrology

__ Silt deposition
__ Surface scouring
X Water stained leaves
X Drainage patterns
__ Other: _____

Representative soils
X Mineral
__ Organic

Depth	Horizon	Color	Redox	Texture
5-0	Oa	10YR4/2		Saprik
0-5	Ag	5Y5/1		sicl
5-13+	Bg	5Y5/1	m,3,p	sicl

NEI WPCC Soils criterion: III H.1

Other observations:

This wetland was strip cut harvested w/in past ≈ 5 yrs.

-some stones in soil

D3-011

Stream present? NO Name _____

Width _____ Depth _____

Substrate _____

Remarks:

FUNCTIONS AND VALUES

X 1. GW Recharge/discharge	X 8. Wildlife habitat
___2. Floodflow alteration	___9. Recreation
___3. Fish/mussels	___10. Education
___4. Sed/tox/path retention	___11. Heritage
___5. Nutrient removal/retention	___12. Visual
___6. Production export	___13. RTE
___7. Sediment/shoreline stab.	

Notes: Wildlife, RTE, communities:

Deer

Squirrels

Topography and Sketch:

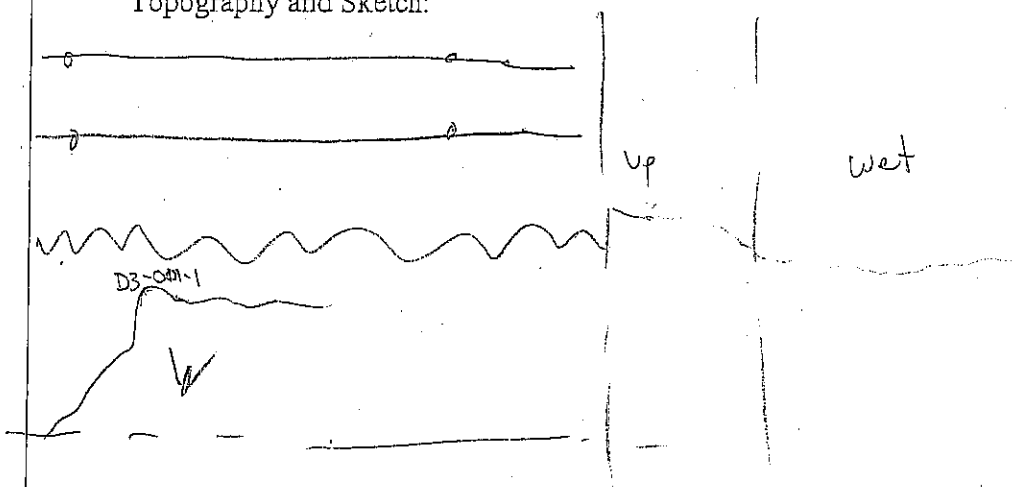


Photo ID:

D3-011

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type:
Palustrine Evergreen Forested Wetland (PFO4)

Description: View of Wetland B4-40.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: BH-40-1 to 7
Beg. Sta#: _____ End Sta#: _____ MP _____ to _____ Observers: SJ / SS
Date: 9-20-04 USGS Quad: Millinocket Lake Observers: _____
Crossing Type(s): ____ Stream ✓ Wetland ____ Waterbody Crossing Name(s): _____
Town/County: _____ Parallel Existing ROW: ✓ Yes ____ No ROW Type: Studded

Dominant NWI Class %: 80 PFO4 Other NWI Classes %: 20 PEM

Representative Wetland Vegetation:		
PFO	PSS	
Abibal		Osmcin PEM
Tsucan		Sphag
		Corcan
		Gaubis

Representative Wetland Hydrology:
Non-tidal:
✓ PF ____ IE ____ SPF ✓ SF
✓ S ____ TF ____ IF ____ AF

Hydrologic Indicators: ____ Silt Deposition ____ Water-Stained Leaves ____ Water Marks ____ Drift Lines
____ Surface Scouring ____ Drainage Patterns ____ Buttressed Trees

Other Observations: Low point in Road - receives runoff frequently.

Representative Wetland Soils:

Depth	Horizon	Color	Redox Features	Texture
0-15	Oa	10YR 2/1	—	Mucky Peat
15+	B	10YR 3/2	—	Sandy

✓ Mineral
____ Organic

Other Observations:

Stream # 1 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: ____ Peat-Muck ____ Silt-Muck ____ Sand ____ Gravel/Cobble ____ Boulder ____ Bedrock
Stream # 2 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: ____ Peat-Muck ____ Silt-Muck ____ Sand ____ Gravel/Cobble ____ Boulder ____ Bedrock

Dominant Wetland Functions:
✓ GWD ____ FFA ____ FSH ____ ST/R ____ N/R/T ____ PE ____ SSS ____ WH
____ REC ____ ESV ____ U/H ____ VQ/A ____ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):

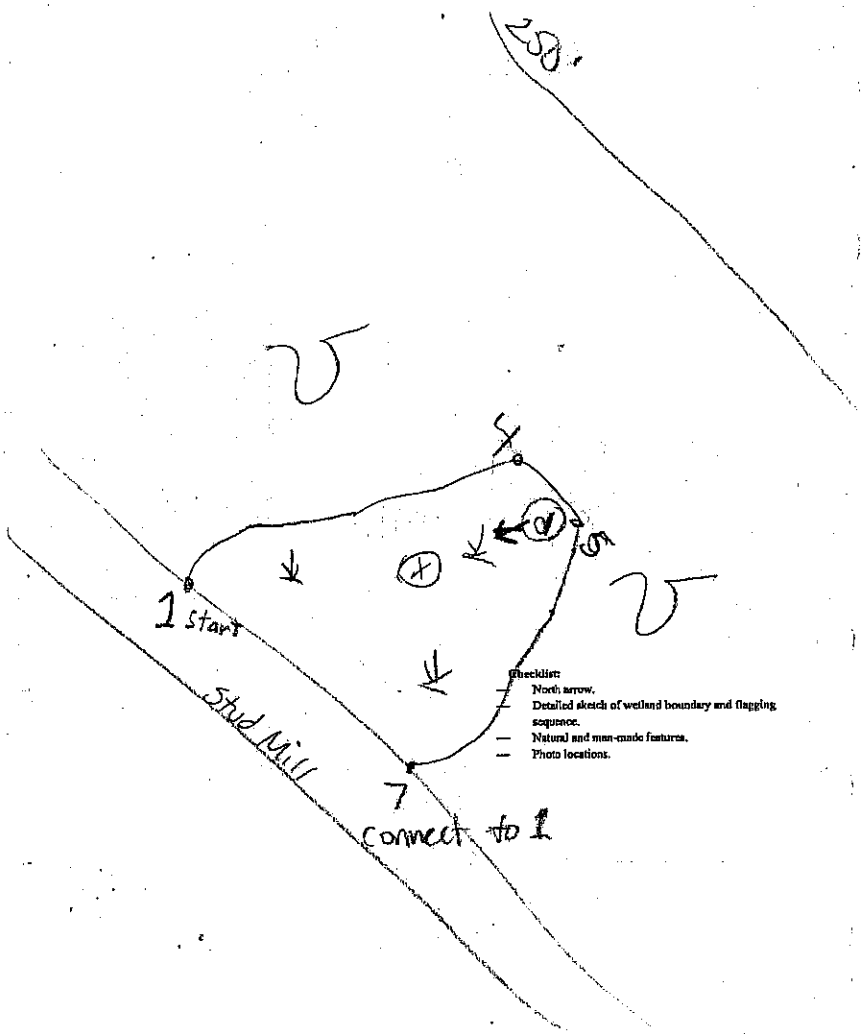
Photo #: _____ Roll #: _____
8 - Facing NW

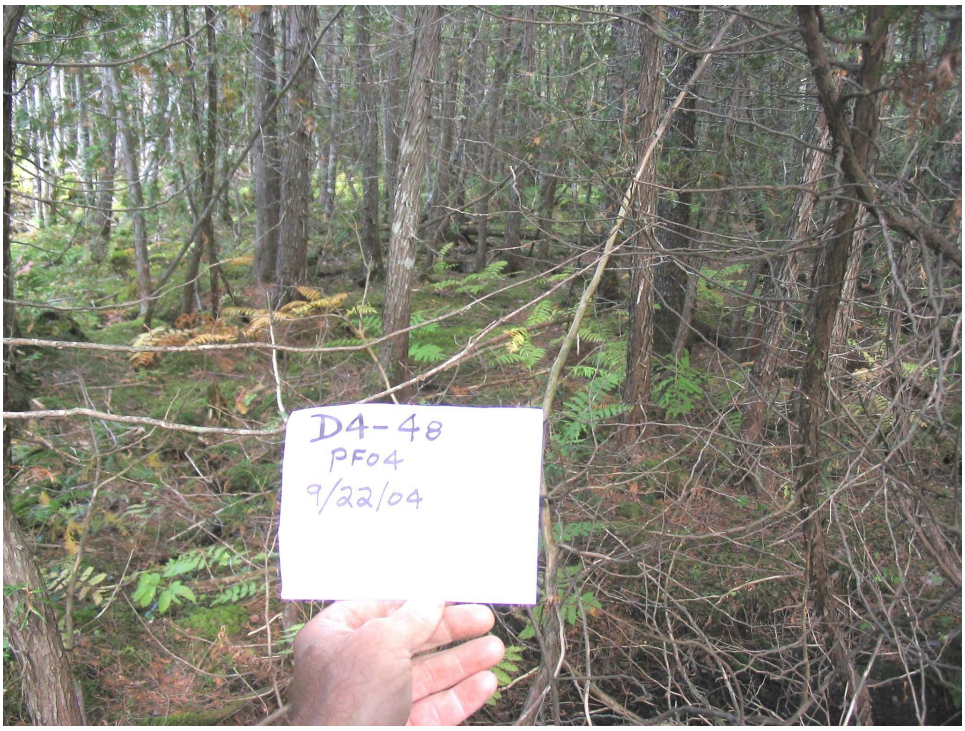
SKETCH ON BACK

Sketch Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: B4-40-1 to 7





Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: PFO4

Description: View of Wetland D4-48.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: D4-48-1→15
Beg. Sta#: _____ End Sta#: _____ MP _____ to _____ Observers: DMP, JR
Date: 9.22.04 USGS Quad: _____ Observers: _____
Crossing Type(s): ___ Stream ✓ Wetland ___ Waterbody Crossing Name(s): _____
Town/County: TP27 ED BPP Parallel Existing ROW: ✓ Yes ___ No ROW Type: PIPELINE Stud Mill Rd

Dominant NWI Class %: 100% PFO 4 Other NWI Classes %:

Representative Wetland Vegetation:

PFO	PSS	PEM
THUOCC ABIBAL	THUOCC	OSMCIN COPGRO TRIBOR

Representative Wetland Hydrology:
Non-tidal:
___ PF ___ IE ___ SPF ___ SF
✓ F ___ TF ___ IF ___ AF

Hydrologic Indicators: ___ Silt Deposition ___ Water-Stained Leaves ___ Water Marks ___ Drift Lines
___ Surface Scouring ✓ Drainage Patterns ___ Buttressed Trees
Other Observations:

Representative Wetland Soils:
___ Mineral
___ Organic

Depth	Horizon	Color	Redox Features	Texture
0-5	Oa	10YR3/1	-	COARSE muck
5-13	Bg	10YR4/2	CMF	10YR3/1 COA SIL
13-16	Cg	2.5Y4/2	CMD	10YR3/1 GRA SIL

Other Observations:
FREE WATER AT 10"; FIELD INDICATOR V

Stream # 1 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: _____ Peat-Muck _____ Silt-Muck _____ Sand _____ Gravel/Cobble _____ Boulder _____ Bedrock
Stream # 2 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: _____ Peat-Muck _____ Silt-Muck _____ Sand _____ Gravel/Cobble _____ Boulder _____ Bedrock

Dominant Wetland Functions:
___ GWD ___ FFA ___ FSH ___ ST/R ___ N/R/T ___ PE ___ SSS ✓ WH
___ REC ___ ESV ___ U/H ___ VQ/A ___ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):

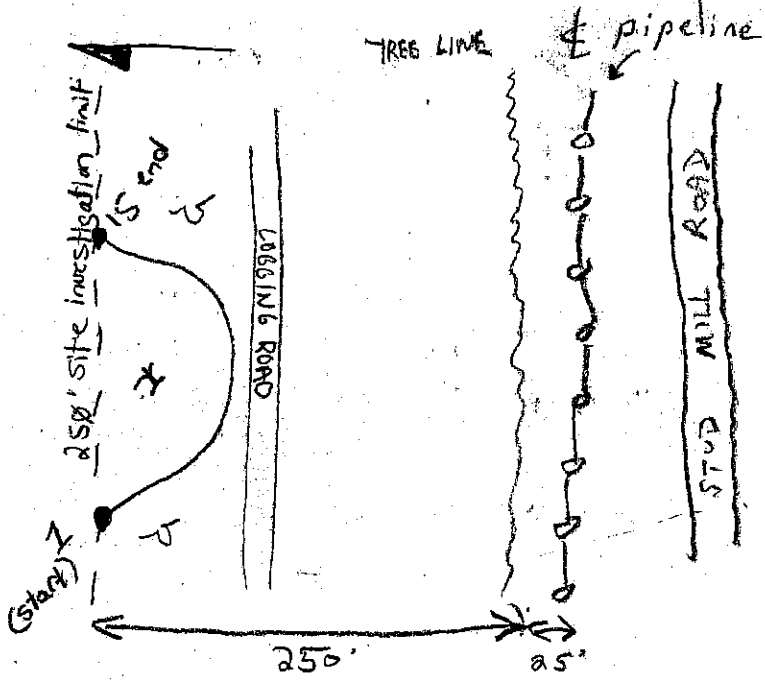
Photo #: _____ Roll #: _____ SKETCH ON BACK

D4-48

Sketch Checklist:
✓ North arrow.
___ Detailed sketch of wetland boundary and flagging sequence.
✓ Natural and man-made features.
___ Photo locations.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: D4-48 1→5



Checklist:
- North arrow.
- Detailed sketch of wetland boundary and flagging sequence.
- Natural and man-made features.
- Photo locations.

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type: Palustrine Mixed Deciduous/Evergreen Forested Wetland (PFO1/4)

Description: View of Wetland B4-46.

CL-51 to 9

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: B4-46-1 to 16 SJ/SS
Beg. Sta#: End Sta#: MP to Observers:
Date: 9-21-04 USGS Quad: Monroe Observers:
Crossing Type(s): ✓ Stream ✓ Wetland ___ Waterbody Crossing Name(s): Lanpher Brook
Town/County: Parallel Existing ROW: ✓ Yes ___ No ROW Type: M+ NE

Dominant NWI Class %: 85 PFO Other NWI Classes %: 15 PEM

Representative Wetland Vegetation:

PFO	PSS	PEM
Betall Thyocc Frapen	alninc Frapen	Sphag Rubhis Trillum andsen Thapub osmreg

Representative Wetland Hydrology:
Non-tidal:
___ PF ___ IE ___ SPF ___ SF
✓ S ___ TF ___ IF ___ AF

Hydrologic Indicators: ___ Silt Deposition ✓ Water-Stained Leaves ___ Water Marks ___ Drift Lines
___ Surface Scouring ✓ Drainage Patterns ___ Buttressed Trees
Other Observations: 4" to water in pit

Representative Wetland Soils:
✓ Mineral
___ Organic

Depth	Horizon	Color	Redox Features	Texture
0-2	Oa	10YR 2/1	—	Peat
2-19	A	10YR 3/2	—	clay loam
19+	B	10YR 4/4	—	Sandy

Other Observations:

Stream # 1 Data:
Channel Width: 2' Average Depth: 3-4" ✓ Peren. ___ Intermittent
Water Quality Class: Bank Configuration: ✓ Undercut ___ Vertical ___ Gradual
Channel Substrate: ___ Peat-Muck ___ Silt-Muck ✓ Sand ___ Gravel/Cobble ___ Boulder ___ Bedrock
Stream # 2 Data:
Channel Width: Average Depth: ___ Peren. ___ Intermittent
Water Quality Class: Bank Configuration: ___ Undercut ___ Vertical ___ Gradual
Channel Substrate: ___ Peat-Muck ___ Silt-Muck ___ Sand ___ Gravel/Cobble ___ Boulder ___ Bedrock

Dominant Wetland Functions:
✓ GWD ___ FFA ___ FSH ___ ST/R ___ N/R/T ___ PE ___ SSS ✓ WH
___ REC ___ ESV ___ U/H ___ VQ/A ___ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):

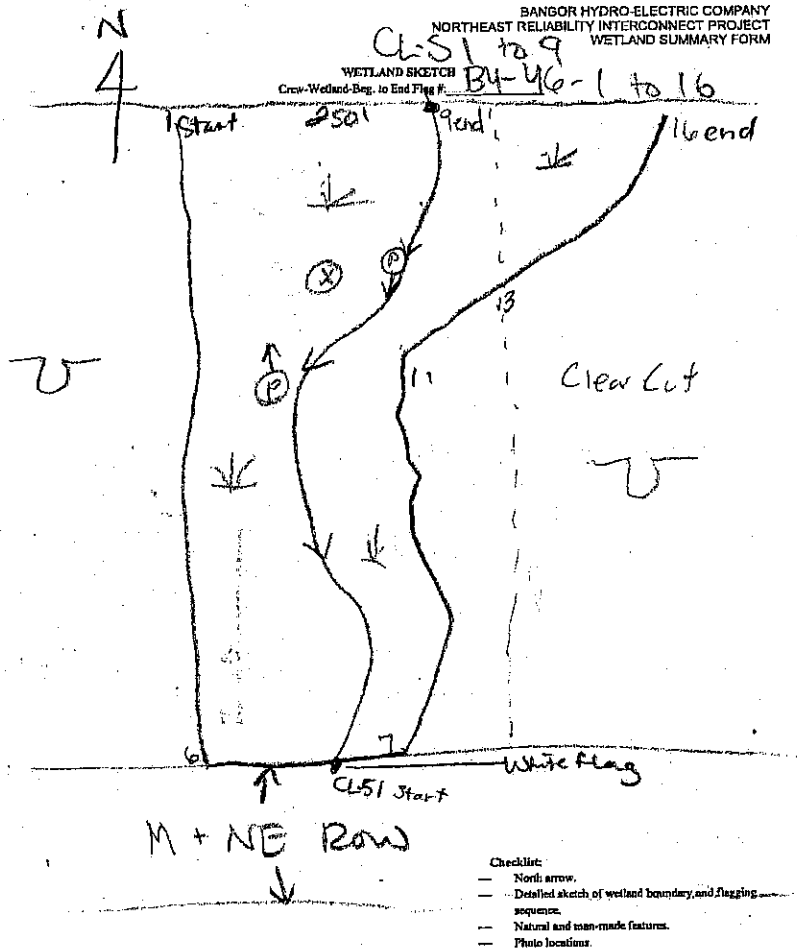
Photo #: Roll #: SKETCH ON BACK

2 - Facing N - Wetland
3 - Facing S - Stream

Sketch Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: Cl-51 to 9 BH-46-1 to 16



Checklist:
- — North arrow.
- — Detailed sketch of wetland boundary, and flagging sequence.
- — Natural and man-made features.
- — Photo locations.

Bangor Hydro-Electric Company

Northeast Reliability Interconnect Project

Community Type:
PFO1/4

Description: View of Wetland B4-82.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

Crew-Wetland-Beg. to End Flag#: B4-82-1 to 23
Beg. Stat: _____ End Stat: _____ MP _____ to _____ Observers: SS/SS
Date: 9-30-09 USGS Quad: Otter Creek Pond Observers: _____
Crossing Type(s): ___ Stream ✓ Wetland ___ Waterbody Crossing Name(s): _____
Town/County: _____ Parallel Existing ROW: ___ Yes ✓ No ROW Type: _____

Dominant NWI Class %: 90 PFO 1/4 Other NWI Classes %: 10 PSS

Representative Wetland Vegetation:

PFO	PSS	PEM
Acerub Thyocc Picmar	Alnrug	Sphag Onosen Stapumra

Representative Wetland Hydrology:
Non-tidal:
___ PF ___ IE ___ SPF ✓ SF
___ S ___ TF ___ IF ___ AF

Hydrologic Indicators: ___ Silt Deposition ✓ Water-Stained Leaves ___ Water Marks ___ Drift Lines
___ Surface Scouring ✓ Drainage Patterns ___ Buttressed Trees

Other Observations:

Representative Wetland Soils:
✓ Mineral
___ Organic

Depth	Horizon	Color	Redox Features	Texture
0-6	Oa	10YR 2/1	—	Peat
6-10	A	10YR 4/2	—	Silt loam
10-18	B	10YR 4/2	10YR 5/6, CFF	Clay

Other Observations:

Stream # 1 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: _____ Peat-Muck _____ Silt-Muck _____ Sand _____ Gravel/Cobble _____ Boulder _____ Bedrock
Stream # 2 Data:
Channel Width: _____ Average Depth: _____ _____ Peren. _____ Intermittent
Water Quality Class: _____ Bank Configuration: _____ Undercut _____ Vertical _____ Gradual
Channel Substrate: _____ Peat-Muck _____ Silt-Muck _____ Sand _____ Gravel/Cobble _____ Boulder _____ Bedrock

Dominant Wetland Functions:
✓ GWD ___ FFA ___ FSH ___ ST/R ___ N/RT ___ PE ___ SSS ✓ WH
___ REC ___ ESV ___ U/H ___ VQ/A ___ ESH

Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses):

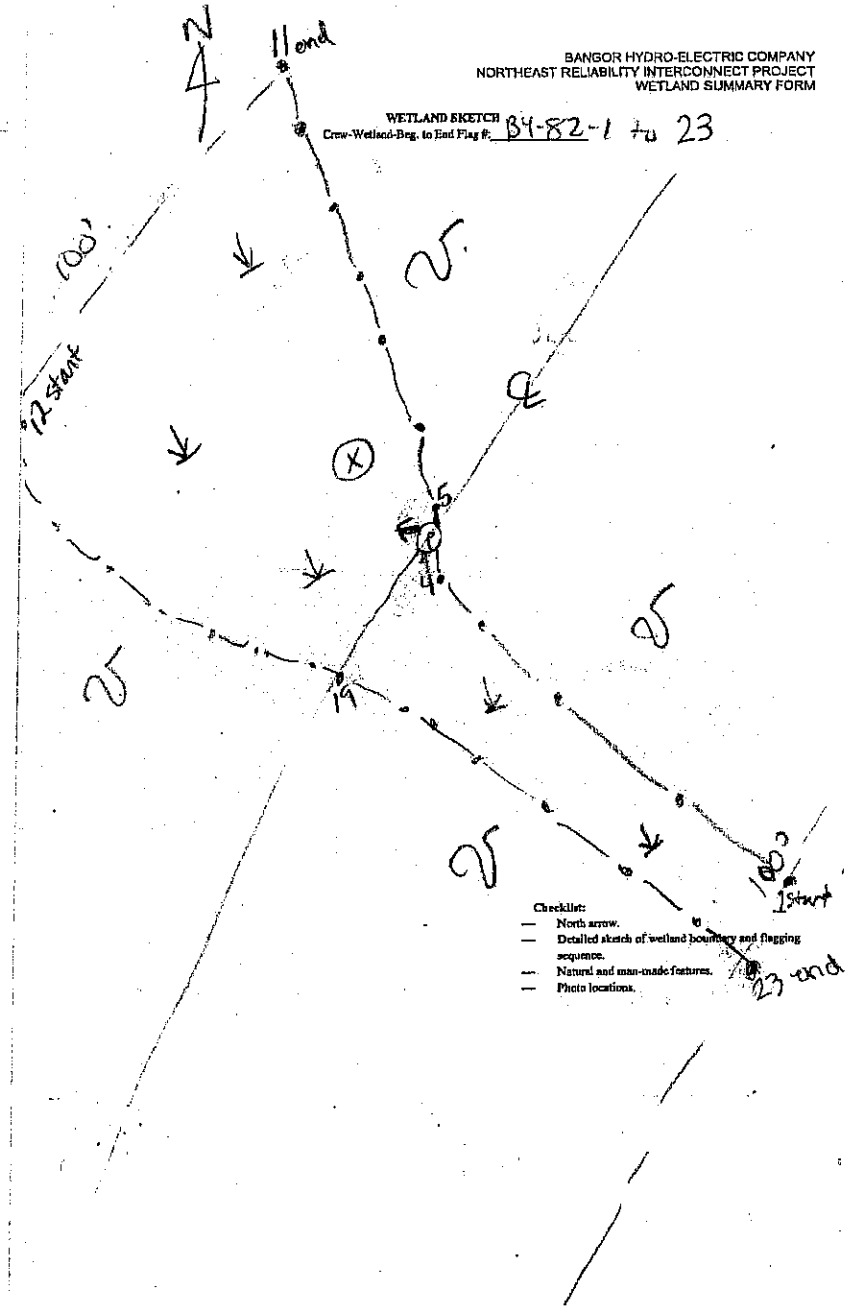
Photo #: _____ Roll #: _____
1 - Facing W

SKETCH ON BACK

Sketch Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.

BANGOR HYDRO-ELECTRIC COMPANY
NORTHEAST RELIABILITY INTERCONNECT PROJECT
WETLAND SUMMARY FORM

WETLAND SKETCH
Crew-Wetland-Beg. to End Flag #: B4-82-1 to 23



Checklist:
— North arrow.
— Detailed sketch of wetland boundary and flagging sequence.
— Natural and man-made features.
— Photo locations.